



# CAREER and TECHNICAL EDUCATION UPDATE

May 1, 2016

## **CTE Spring Data Collection ENDED April 30**

The Career and Technical Education (CTE) Spring Data Collection began March 1, 2016 and ended April 30, 2016. This AIM collection asks schools to identify all 12th grade high school students who were enrolled at any point during the current 2015-2016 school year who meet the definition of a CTE Concentrator. CTE Concentrators are 12th graders who have earned three (3) or more credits in any CTE program in any combination during their years of high school. Currently enrolled CTE courses count toward credits earned. CTE Concentrators must have the 'CTE Concentrator' box checked and an 'Area of Concentration' entered into the AIM/Infinite Campus data system. If the student has a child or shares the parenting of a child, the 'Single Parent' box should also be marked. High schools who receive funding from the Carl D. Perkins federal grant program must complete this CTE Spring Data Collection.

Christy Hendricks will be following up with individual school districts who are missing this data collection.

## **Remaining Perkins Funds for 2015-2016**

### **To all High School Districts with REMAINING PERKINS FUNDS**

The CTE Division of the OPI reminds all high school districts with an outstanding 2015-2016 Perkins allocation to please obligate your remaining funds before the end of the current school year.

If you have questions regarding your Perkins balance or any submitted cash requests, please contact **Leisa Blanton, Perkins Accountant**, at 406.444.4403 or email her at: [lblanton@mt.gov](mailto:lblanton@mt.gov).

If you have questions about obligating your Perkins funds, please contact Renee Harris.  
Renee Harris: phone: 406.994.6986; email: [rharris3@mt.gov](mailto:rharris3@mt.gov)

## **Agriculture, Food and Natural Resources**

### **FFA**



### **Montana FFA**

The Montana FFA Association's new state officer team met in Bozeman for three days in April where they participated in initial leadership training exercises. The training was held at the Montana Farm Bureau building. Officers interacted with Dr. Charles Boyer who serves as the Dean of Agriculture at MSU, Dr. Myles Watts who presented information on Montana and U.S. Agriculture, Northern Ag Network staff who shared information regarding social media, MSU Ag-Ed Department staff, and Montana FFA Foundation staff. In addition to training, the officers developed their summer schedules and selected the theme for the upcoming year. The theme "imAGine" was selected. All eight of the new officers will be attending MSU this coming year. Summer activities for the new officers include BLAST OFF training which is conducted by National FFA Staff, participation at the National Leadership Conference for State Officers in Cody, Wyoming, the state president's conference in Washington D.C., the alumni leadership camp held near Hiwood and the summer Ag tour being held in eastern Montana.

As chapters begin to wrap up their year, they are hosting chapter banquets and fundraisers. Summer activities are also being planned, which include visiting student based projects and participating in numerous area and state level judging events. It is always interesting to determine where one year ends and another begins. A record number of FFA members in Montana received National FFA Scholarships. Seventeen students received \$31,000 worth of scholarships. Also, a record number of American Degree applications were submitted to the



Denise Juneau, Superintendent  
Montana Office of Public Instruction  
[www.opi.mt.gov](http://www.opi.mt.gov)

state office. Forty-five students applied to become a recipient of the highest degree that the FFA can bestow upon its members.

Our retired state officers have been busy serving as keynote speakers for banquets and visiting chapters. If you see one of them, please thank them for their year of service. They did an exemplary job!

**FFA information submitted by Montana FFA State Director, Jim Rose, phone: 406.994.7050;**

**Email: [ffarose@gmail.com](mailto:ffarose@gmail.com).**

## **Business Education**

### **Montana Business Educator Named Regional Career & Technical Education New Teacher of the Year**

St. Regis High School's Chad Eichenlaub of was named the 2016 Association for Career & Technical Education (ACTE) Region V New Teacher of the Year during the 2016 ACTE Region V Awards presentation. The 2016 ACTE Region V Leadership Conference was held in San Diego, April 20-23.

In his fourth year of teaching, Chad is the business teacher and BPA advisor at St. Regis and is currently the President Elect of the [Montana Business Education Association](#). When Chad began his teaching career he took over program which had been fighting for survival for a long time. In his short time in the classroom he has been able to make tremendous contributions the school and provide numerous new and exciting opportunities for students. Chad has developed an expansive curriculum for his students covering some of the business education basics of accounting, business law, marketing, and computer basics as well as advanced and specialty courses in graphic design, video production, and web design.

As a BPA local chapter advisor, his student consistently place at the regional, state, and national levels and Chad willingly volunteers his time ensuring students have a positive and rewarding experience by serving as an event administrator, proctor, and grader (APG). When performing APG duties, Chad does so with a solid knowledge of the guidelines and administrative procedures of the events in which he assists.

As a young business education & CTE professional, Chad has demonstrated his desire to take advantage of professional development experiences and to be an active member of professional organizations. Chad is a veteran of the OPI-sponsored New CTE Professionals Workshop and has been an active participant in the Montana ACTE Fall Institute each year of his teaching career. Furthermore, Chad has applied his CTE- and business education-knowledge by partnering with Missoula College UM to establish a Big Sky Pathway with the AAS Business Technology Management—Sales and Marketing option degree program. By doing so, he further ensures his program prepares students to be college and career ready.

Previously, Chad was awarded the Montana Business Education Association's Rookie Teacher of the Year award in 2014 and was named the Montana ACTE Outstanding New CTE Teacher of the Year for 2015 this past fall.

Chad will now advance to the national ACTE conference, CareerTech VISION 2016, and will be the Region V candidate for ACTE's New Teacher of the Year. The 2016 ACTE CareerTech VISION conference will be held in Las Vegas November 30-December 3.

### **Registration is Now Open for Business Education Summer Update Workshops for Teachers**

Looking for a way to keep cool during those hot August days or how about taking a summer road trip to spend some time with friends and colleagues? Whatever you may be planning for your summer, be sure to mark your calendars for the 2016 Montana Business Education Summer Update Workshops.

Three (3) regional workshops will again be offered for the Montana business educators. This year's workshops will focus on the Adobe Creative Suite and [EverFi's](#) STEM and financial literacy curriculum.

Workshops will be held



Denise Juneau, Superintendent  
Montana Office of Public Instruction  
[www.opi.mt.gov](http://www.opi.mt.gov)

--Wednesday, August 3 at Skyview High School in Billings;  
--Friday, August 5 at Simms High School in Simms; and  
--Tuesday, August 9 at Sentinel High School in Missoula.

Workshops will be facilitated by Montana Business Education Specialist Eric Swenson with Adobe instruction provided by Bertha Kirschten and Julie O'Dell (Billings), Jennifer Rohrer (Simms) and Cindy Schultz (Missoula) and [EverFi](#) training under the direction of Mick Karls.

Below is the schedule for each of the three locations: August 3, Billings at Skyview High School; August 5, Simms High School; and August 9, Missoula at Sentinel High School.

8:30-9 am: Registration  
9-9:30 am: Welcome & Introductions  
9:30-10:30 am: Adobe Training  
10:30-10:45 am: Break  
10:45-Noon: Adobe Training, continued  
Noon-1 pm: Lunch (On your own)  
1-1:30 pm: Business Education Curriculum Update  
1:30-2:30 pm: EverFi STEM Curriculum Training  
2:30-2:45 pm: Break  
2:45-3:45 pm: EverFi Financial Literacy Training  
3:45-4 pm: Wrap Up & Closing

Registration can be completed at <http://goo.gl/forms/lxVZioZ9ZD>. Please complete registration by Friday, June 24. A registration confirmation will be sent after your registration has been processed.

These workshop will be offered free of charge with up to six (6) OPI Renewal Units available. Any travel and lodging expenses you may incur to attend can be paid for by either Perkins and/or State CTE/VoEd funds.

Please contact Business Education Specialist Eric Swenson at [eswenson@mt.gov](mailto:eswenson@mt.gov) or 406.444.7991 with any questions or to receive additional information about these offerings.

Submitted by

**Eric Swenson**

Business Education Specialist

Office of Public Instruction

Phone: 406.444.7991 Fax: 406.444.1373

Email: [eswenson@mt.gov](mailto:eswenson@mt.gov)





## **Montana Business Professionals of America—** **May 2016 Update**

### **Montana BPA Headed to Boston**

The 2016 National Leadership Conference in Boston, MA on May 5-9 to celebrate the 50<sup>th</sup> anniversary of BPA. Montana's delegation will be represented by 55 secondary chapters and 2 post-secondary chapters with a total Montana Association representation of 369 registered members, advisors, and guests.

Students will compete in 74 business-related events against over 4,500 competitors from 23 other states who placed in the top 10% of their events at their State conferences. They will join over 5,000 other conference delegates from across the nation to participate in national level business skills competitions, workshops, Day of Service, Certification Labs, general sessions, and the national officer candidate campaigns and elections. BPA members from Montana are not only involved in competitive events at the National level but will also be receiving Ambassador Torch Awards, Advisor recognition for Years of Service, and BPA Cares Awards. Seven Montana Advisors will receive National "Advisor Certification" recognition and 10 Montana students will receive "Student" recognition for their knowledge of the Business Professionals of America program. Molly Barta, BPA Advisor from Billings Skyview High School will be vying for the Advisor of the Year as well. Many of the Montana delegation will participate in the National "Special Olympics Walk" at the leadership conference to raise thousands of dollars for the Special Olympics program. The BPA Special Event will be held at Fenway Park. 2015-16 BPA President, Drew Mammel will vie for a national BPA officer position.

A Montana BPA Day will be held with a boat tour in Boston Harbor on Thursday, May 5, 2016.

Watch for the results of how Montana BPA does at nationals in the June Update!

Like us on Facebook-  **Business Professionals of America-Montana Association**

Submitted by  
Lisa Parker, State Director  
Montana Association  
Business Professionals of America  
(406) 579-3697  
[lparkermtbpa@gmail.com](mailto:lparkermtbpa@gmail.com)

### **Montana DECA**



Montana DECA participated in the DECA International Career Development Conference April 21-27, 2016 in Nashville, TN, where 12% of registered participants received top National Honors in Competition. Members and advisors participated in Professional Learning Opportunities that enhanced experiences for colleges and careers. To view a full list of finalists, please visit [www.decadirect.org](http://www.decadirect.org). As the State Executive Officer team prepares to travel to San Francisco, CA for specialized leadership training, Montana DECA Staff prepares a new year of exciting opportunities, programs, and membership offerings. Stay current with the happenings of Montana DECA throughout the summer by following us on Facebook, Twitter, and at [www.mtdeca.com](http://www.mtdeca.com). We look forward to a landmark year, and the opportunities it brings.



Denise Juneau, Superintendent  
Montana Office of Public Instruction  
[www.opi.mt.gov](http://www.opi.mt.gov)

DECA information submitted by Montana DECA State Director, John Stiles, phone: 406.209.4490; Email: [decavpjohn@gmail.com](mailto:decavpjohn@gmail.com)

## **Family and Consumer Sciences Education**

### Family and Consumer Sciences & Family, Career, and Community Leaders of America Update

More than 60 Family & Consumer Sciences professionals gather in Havre for the Montana Association of Family & Consumer Sciences (MAFCS) Annual Conference during April 20 – 22. During this conference, attendees learned about internet crimes against children, textile entrepreneurship, Montana estate laws, classroom resources and more. The conference planning committee included Marge Leeds, Mary Kay Rambo, Margie Chinadle, Becky Bruce, Kaitlyn Lyders, Katrin Finch, and Mary Behrendt. The following MAFCS members were honored as award recipients during the conference: New Achiever – Haley Barker, Laurel; Teacher of the Year – Kim Knoche, Forsyth; Distinguished Service – Cheryl Schlepp, Conrad; Leaders Award – Jamie Diehl, Ennis; and Professional – Marsha Goetting, Bozeman.

July 3-7, 2017, over 7,500 FCCLA members from across the country will gather in sunny San Diego to network with fellow members, attend FCCLA program workshops and leadership sessions, and compete in STAR Events. Approximately 110 Montana FCCLA students and advisers will be in attendance.

To be eligible to compete in a STAR event, students presented their project at the State Leadership Conference in March. In this rigorous competition, only the top two entrants per category per event who score a minimum of an 85 qualify to represent Montana.

The National FCCLA conference is planned and hosted by the National Executive Council. A team of 10 high school students elected to represent the over 200,000 FCCLA members. Garrett Christians from Valier High School is a member of the 2015-16 National Executive Council as the Vice President of Programs. He will be representing Montana as a host of this amazing conference.

Montana FCCLA is also busy planning our summer activities including:

- June 3-5 – CTSO Leadership Camp
- July 3-7 – National FCCLA Conference
- August 1-2 – State Executive Council Meeting

Respectfully submitted,

Megan A. Vincent, FCS Education Specialist, Office of Public Instruction  
Nicole Wanago, State Director, Montana FCCLA

#### **Megan A. Vincent**

Family & Consumer Sciences Education Specialist/FCCLA State Adviser

Montana Office of Public Instruction

Phone: (406) 444-3599

Fax: (406) 444-1373

E-mail: [mvincent2@mt.gov](mailto:mvincent2@mt.gov)

#### **Nicole Wanago**

Montana FCCLA State Director

PO Box 11409

Bozeman, MT 59719

[Nicole.wanago@mtfccla.org](mailto:Nicole.wanago@mtfccla.org)



Denise Juneau, Superintendent  
Montana Office of Public Instruction  
[www.opi.mt.gov](http://www.opi.mt.gov)

# **Health Sciences Education**

## **Health Science Update:**

Many scholars note there IS a difference between Career Readiness and College Readiness. For the Health Science Career Pathway we have adopted the following definition for Career Readiness. At the culmination of the student's career pathway, they will have identified a career interest and meet two of the behavioral and experiential benchmarks listed as follows:

- 90% attendance,
- 25 hours of community service,
- Work-based learning,
- Industry credential,
- Dual credit pathway course (Medical Terminology),
- Participation in HOSA-Future Health Professionals

By no means are students limited to only two choices...we have several students involved in all the above activities! This year alone 295 health science students job shadowed for a total of 2,474 hours; 53 students are in medical internships putting in an impressive 1,942 hours, and 35 students will be receiving certification for Nursing Assisting, Emergency Medical Technician and Biomedical Laboratory Technician.

Are these students College Ready as well? Generally this is measured if a student has a minimum GPA of 2.8 and has taken one or more of the following:

- Advanced Placement Exam
- Advanced Placement Course
- Dual Credit College English and/or Math (indicating no remediation necessary)
- International Baccalaureate Exam
- And standardized test benchmarks such as ACT Exam: English (18), Reading (22), Science (23), Math (22)

While not conclusive, health science concentrators had a 92.8% pass rate for reading and 75.5% pass rate in math. With the assistance of the Montana University system, we followed health science completers that enrolled in Montana colleges and discovered the capture rate of these high school students was 12% higher than the average recent MT high school graduate matriculation rate of 30%.

## **CTE and Career Pathways make a difference for students!**

Submitted by

**Renee Harris**

Health Sciences Education Specialist

Office of Public Instruction

Tel: 406.994.6986

Email: [RHarris3@mt.gov](mailto:RHarris3@mt.gov)

## **Montana HOSA**



Over 30 Montana HOSA: Future Health Professionals will be attending the HOSA International Leadership Conference\*, this coming June, in Nashville, TN. Students from Great Falls, CMR, Sentinel, Bozeman, Big Sky, and Butte high schools will compete in sports medicine, epidemiology, biomedical laboratory science, dental science, community awareness, health career display, CPR/first aid, and HOSA Bowl (team jeopardy). In addition to competitive events, students choose to attend sessions from the 2 days of educational symposia offered at the conference. Awards ceremony will be hosted Saturday, June 25, at which time, Anika Melzer Roush, 2015-'16 MT HOSA President, will receive Outstanding State Leader Award, and Beaverhead County High School HOSA Advisor, Angela Hammang, will be recognized.



Denise Juneau, Superintendent  
Montana Office of Public Instruction  
[www.opi.mt.gov](http://www.opi.mt.gov)



\*International Leadership Conference. National HOSA now has affiliated chapters in Italy, Canada, and Mexico.



Big Sky High School Health Science Academy HOSA students hosted a table, Saturday, April 23, at the Expand Your Horizons: STEM Conference for Middle School Girls, on the UM campus.

HOSA information submitted by Montana HOSA State Director, Martha Robertson, phone: 406.243.4746; Email: [Martha.robertson@mso.umt.edu](mailto:Martha.robertson@mso.umt.edu) .

## **Industrial, Trades and Technology Education**

### **GMAW and GTAW Course For Instructors**

Zach Reddig is thinking about offering a 2 day GMAW course and a 2 day GTAW course this upcoming August. The dates would be August 1-2 and August 3-4, we do not know the cost yet but together the courses will be worth 16 renewal credits each for a total of 32 hours.

Any interested instructors can contact Jordan Patterson at [jordan.patterson@mso.umt.edu](mailto:jordan.patterson@mso.umt.edu) or (406)552-8689

### **FVCC**

FVCC is again offering a Welding Teacher Training June 13-16! This training will offer Welding Certification Testing in a variety of positions or processes. Teachers will have the opportunity to gain AWS Certification along with 2 college credits at NO COST!!! We will be covering, tuition, meals, the majority of mileage and lodging for high school teachers interested in gaining AWS Certification.

If interested, please contact me asap as space is limited.

Contact:

**Elizabeth Romain**

**Program Coordinator, Dual Enrollment**

**Flathead Valley Community College**

**Phone: (406) 756-3923**

**Fax: (406) 756-3965**

**Web: [www.fvcc.edu](http://www.fvcc.edu)**

## **SNAP-ON® CERTIFICATION TRAINING**

Free to the first 20 teachers who register, Big Sky Pathways/Helena College will offer rigorous training from the most trusted brand in the industry, Snap-on, which provides certification programs, industry-supported curriculum and **hands-on training with Snap-on products.**



Denise Juneau, Superintendent  
Montana Office of Public Instruction  
[www.opi.mt.gov](http://www.opi.mt.gov)

Nationally-trained and certified instructors will guide participants in the technology used by professionals in the workplace with state-of-the-art Snap-On carts. Snap-On Certifications are among the most requested skills in industry. Learn these skills to add value to your high school's automotive and industrial technology programs!

The training will be held June 13-17 at the Helena College Airport Campus. Teachers will earn industry-recognized certifications and up to 40 OPI Renewal Units; useful for credits toward Class IV renewal. After May 15, if space permits, registration will be opened to high school and college students, as well as working technicians.

Enrollment is limited to **10 per session**. See the tentative schedule below in the following training areas:

**Automotive Scanner/Oscilloscope Diagnosis:** With advanced lab exercises using computerized, aftermarket automotive diagnostics, including scanner controls and navigation; vehicle communication software, navigating digital storage oscilloscope options, and more. This session may be repeated, based on enrollment.

**Precision Measurement:** Learn the proper operation, handling, adjustments, and techniques needed for utilizing precision measurement equipment effectively. Both SAE and Metric Equipment will be covered including steel rules, feeler gauges, precision straight edge, calipers, inside and outside micrometers, small hole gauges, telescoping gauges, and dial indicators.

**DRAFT: Mechanical and Electronic Torque and Multi-meter** Exploring torque theory and application, including tool safety, principles of fasteners, understanding torque theory for mechanical and electronic instruments, and hands-on operation of torque tools. Work with common voltage, amperage, and resistance measurement, meter display reading and symbols and terminal connections.

**CONTACT:**

Jan Clinard, Ed.D.  
Career Pathways Coordinator  
Helena College University of Montana  
406-447-6951

Submitted by

**Don Michalsky**

Industrial, Trades and Technology Education Specialist  
Office of Public Instruction  
Phone: 406.444.4452 Fax: 406.444.1373  
Email: [dmichalsky@mt.gov](mailto:dmichalsky@mt.gov)

**SkillsUSA**



**Congratulations to All of Our Champions!**

April 4-6, 2016, SkillsUSA Montana held the 45<sup>th</sup> State Leadership & Skills Conference at MSU Northern in Havre, Montana. Billings Career Center and Advisor Joshua George were our Chapter of Excellence - Gold Medal Chapter of Distinction award winners. Tim Norbeck from Jefferson High School was awarded the Administrator of the Year and Joshua George from the Billings Career Center was awarded the Advisor of the Year. Our gold medal champions will now move on to the National Leadership & Skills Conference held June 20-24 in Louisville, Kentucky.

At the state conference our new state officers for the 2016-17 school year were elected. Returning officers Tori Pearson and Kellan Stevenson will be joined by Derian McCormick, Makayla Paul, Michael Hitchcock and



Denise Juneau, Superintendent  
Montana Office of Public Instruction  
[www.opi.mt.gov](http://www.opi.mt.gov)



Christopher Shull. Our state officers are looking forward to the CTSO Leadership Camp which will be held at MSU-Bozeman on June 3-5.

As we close this school year, SkillsUSA Montana would like to wish all our students and advisors a safe and fun-filled summer.

**SkillsUSA information submitted by Montana SkillsUSA State Director, Cassie Huntley, cell phone: (406) 461-5016; Email: [casshuntley@montanaskillsusa.com](mailto:casshuntley@montanaskillsusa.com).**

## **Montana TSA**



The 25th Annual TSA State Leadership Conference saw the largest number of students attendance in many years. We had five new schools in attendance.

VEX Robotics was again the big draw this year having 26 teams entered an increase from 10 entered last year.

TSA gave a warm goodbye to State Advisor Dwight Freeman, who is retiring from teaching after 39 years and being involved with TSA since being chartered in Montana in 1991.

The new state officer team is gearing up for the upcoming CTSO Leadership camp in Bozeman and the National TSA Conference in Nashville, TN. The new officer team is young, but experienced with only one new officer this next year. We would like to thank chandler Pippin of Saco High School for his year as the TSA State Reporter.

We are also in the process in finalizing the agenda for the upcoming Technology Teacher Update to be held at Bozeman High School. There will be a flyer and agenda sent via e-mail in the next week or two. Be on the lookout for it.

TSA State Co- Executive Director

*Dwight Freeman*

*PO 298*

*Saco, MT 59261*

*Cell: 406-671-9662*

*E-mail: [dfreeman@sacoschools.k12.mt.us](mailto:dfreeman@sacoschools.k12.mt.us)*



Denise Juneau, Superintendent  
Montana Office of Public Instruction  
[www.opi.mt.gov](http://www.opi.mt.gov)